

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

In the Claims:

Claims 1, 5-7 and 14 are amended herein. New claim 19 is added. The remaining claims are not amended in this response.

1. (currently amended) A color hologram display comprising a reflection and volume hologram of a single layer photosensitive material, wherein a color pattern of plane characters or images and a color three-dimensional subject image are reconstructably recorded therein while a reconstructed image of the plane pattern differs depending on height from the hologram surface,

wherein a plane shadow of said color pattern of plane characters or images is ~~reconstructably recorded on a surface different from a surface of said color pattern~~ reconstructed at a surface or image plane different from the image plane of the reconstructed color pattern.

2. (previously amended) The color hologram display according to claim 1, wherein said color pattern of plane characters or images is reconstructably recorded in monochrome.

3. (previously amended) The color hologram display according to claim 2, wherein said color pattern of plane characters or images is reconstructably recorded in green.

4. (canceled)

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

5. (currently amended) The color hologram display according to claim 4 1, wherein said shadow is reconstructably recorded in a complementary color to a color of said color pattern.

6. (currently amended) The color hologram display according to claim 4 1, wherein said shadow is reconstructably recorded in front of said color pattern.

7. (currently amended) ~~The color hologram display~~
~~according to any one of claims 1 to 3,~~ A color hologram display
comprising a combined reflection and volume type of single layer
or multilayer, wherein a color pattern of plane characters or
images and a color three-dimensional subject image are
reconstructably recorded while spatially superposed one upon
another,

wherein any shadow of said color pattern of plane characters or images is unrecorded.

8. (previously amended) A process of fabricating a color hologram display, comprising recording a color three-dimensional subject image and a color pattern of plane characters or images as hologram images by exposing said subject image and said color pattern of plane characters to light and recording the interference pattern thereof in the same photosensitive material.

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

9. (previously amended) A process of fabricating a color hologram display according to claim 8, wherein a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing the color pattern of plane characters or images are separately made, said subject hologram plate and said character hologram plate are spatially positioned with a given space located therebetween, and diffracted light from said subject hologram plate and said character hologram plate is simultaneously entered in the same photosensitive material to record said subject and character hologram plates as hologram images.

10. (previously amended) The color hologram display fabrication process according to claim 9, wherein an area of said hologram photosensitive material other than a portion thereof corresponding to said color pattern of plane characters or images is deactivated by photosensitization, and a reflection type hologram of a scatter plate is then recorded in said portion of said hologram photosensitive material to make said color hologram display.

11. (original) The color hologram display fabrication process according to any one of claims 8 to 10, wherein said subject hologram plate is recorded in three colors, red, green and blue and said character hologram plate is recorded in any one of red, green and blue.

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

12. (original) The color hologram display fabrication process according to claim 11, wherein said character hologram plate is recorded in green.

13. (previously amended) The color hologram display fabrication process according to claim 8, wherein said character hologram plate for reconstructing said color pattern of plane characters or images is made, said character hologram plate is located in front of a color three-dimensional subject, and diffracted light from said character hologram plate and scattered light from said color three-dimensional subject are simultaneously entered in the same photosensitive material to record said hologram plates as hologram images.

14. (currently amended) A process of fabricating a color hologram display as recited in claim 7 8, comprising the steps of employing a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing a color pattern image of plane characters or images, wherein said subject hologram plate and said character hologram plate are separately made, superposing said subject hologram plate and said character hologram plate one upon another, and providing diffracted light from said subject hologram plate and said character hologram plate to simultaneously enter in the same photosensitive material to

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

record said color three-dimensional subject image and said color pattern image of plane characters or images as hologram images.

15. (previously amended) A hologram plate used to fabricate a color hologram display, wherein a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing a color pattern image of plane characters or images are separately made, said subject hologram plate and said character hologram plate are positioned with a given space located therebetween, and diffracted light from said subject hologram plate and said character hologram plate is simultaneously entered in the same photosensitive material to record said color three-dimensional subject image and said color pattern image of plane characters or images as hologram images.

16. (previously amended) A hologram plate used to fabricate a color hologram display wherein a subject hologram plate for forming a color three-dimensional subject image and a character hologram plate for reconstructing a color pattern image of plane characters or images are separately made, said subject hologram plate and said character hologram plate are superposed one upon another, and diffracted light from said subject hologram plate and said character hologram plate is simultaneously entered in the same photosensitive material to record said color three-

Appl. No. 09/547,663
Amdt. dated June 24, 2004
Reply to Office action of December 24, 2003

dimensional subject image and said color pattern image of plane characters or images as hologram images.

17. (previously amended) A color hologram display according to one of claims 1 to 3, wherein a shadow of said color pattern of plane characters or images is reconstructably recorded on the surface of a color three-dimensional subject image.

18. (previously presented) The color hologram display according to claim 5, wherein said shadow is reconstructably recorded in front of said color pattern.

19. (new) A color hologram as set forth in claim 1 fabricated by the process of claim 8.